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🔍 Title: **CN1081168A: MODIFIED PORTLAND CEMENT COMPOSITE MATERIAL AND ITS APPLICATION**

🔍 Derwent Title: Modified Portland cement composite material [\[Derwent Record\]](#)

🔍 Country: CN China

🔍 Kind: A Unexamined APPLIC. open to Public inspection ¹

🔍 Inventor: DU CHENGYU; China

🔍 Assignee: CONSTRUCTION ENGINEERING RESEARCH INST.,
BEIJING China
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🔍 Published /
Filed: 1994-01-26 / 1993-07-28

🔍 Application
Number: CN19939393108869

🔍 IPC Code: C04B 28/22; C04B 14/38; E04C 2/04;

🔍 ECLA Code: C04B28/18C2;

🔍 Priority
Number: 1993-07-28 CN19939393108869

🔍 Abstract: The present invention relates to a modified Portland cement composite material and the method of using it as gelatinizer in the prodn of 6-20 mm thick building components. Its hydrate has reduced liquid-phase alkalinity, which enables it to act as gelatinizer of fibre-reinforced cement. 20-50% volcanic ash material as well as sand, water and reinforcing fibre are added into Portland cement to produce building components, which are cured at 50-90 deg.C and 80-100% RH. The present invention makes it possible to reduce the cost of building components greatly.

🔍 Family:

| PDF | Publication | Pub. Date | Filed | Title |
|-------------------------------------|-------------|------------|------------|---|
| <input checked="" type="checkbox"/> | CN1081168A | 1994-01-26 | 1993-07-28 | MODIFIED PORTLAND CEMENT COMPOSITE MATERIAL AND ITS APPLICATION |
| 1 family members shown above | | | | |

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References:

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| PDF | Patent | Pub.Date | Inventor | Assignee | Title |
|-------------------------------------|-----------|------------|----------------------|---|--|
| <input checked="" type="checkbox"/> | US6572697 | 2003-06-03 | Gleeson; James A. | James Hardie Research Pty Limited | Fiber cement building materials with low density additives |

Other Abstract
Info:

CHEMABS 122(08)087756K CAN122(08)087756K DERABS C95-155696 DERC95-155696



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